RESULTS

Results with LSTM Encoder

At the start of training of Model 1

```
1/ 115] time: 0.7520s, d_loss: 7.58284616, g_loss: 0.98363864, rnn_loss: 0.41578957
Epoch: [ 0/600] [ 1/ 115]
** Epoch 0 took 19.467037
Epoch: [ 0/600] [ 2/ 115
** Epoch 0 took 20.413499
                     2/ 115] time: 0.7689s, d loss: 3.43822098, g loss: 5.90367985, rnn loss: 0.36642528
Epoch: [ 0/600] [ 3/ 115]
** Epoch 0 took 21.376362s
                     3/ 115] time: 0.7793s, d_loss: 3.13539481, g_loss: 3.94523931, rnn_loss: 0.43461281
Epoch: [ 0/600] [
                     4/ 115] time: 0.7700s, d_loss: 2.42501211, g_loss: 4.19036770, rnn_loss: 0.39950821
    Epoch 0 took 22.316883s
Epoch: [ 0/600] [ 5/ 115]
** Epoch 0 took 23.251359s
                     5/ 115] time: 0.7590s, d_loss: 1.76547170, g_loss: 7.29295969, rnn_loss: 0.37671489
Epoch: [ 0/600] [ 6/ 115]
** Epoch 0 took 24.201831s
                     6/ 115] time: 0.7779s, d_loss: 2.24530554, g_loss: 8.58616924, rnn_loss: 0.36278740
Epoch: [ 0/600] [ 7/ 115]
** Epoch 0 took 25.139219s
                     7/ 115] time: 0.7658s, d_loss: 1.72560644, g_loss: 7.15392113, rnn_loss: 0.40428185
Epoch: [ 0/600] [ 8/ 115] tin
** Epoch 0 took 26.095653s
                    8/ 115] time: 0.7779s, d_loss: 2.20616889, g_loss: 9.65894222, rnn_loss: 0.42583171
```

At the end of training of Model 1

Results with GRU Encoder

At the start of training of Model 2

```
** init lr: 0.000200 decay_every_epoch: 100, lr_decay: 0.500000

Epoch: [ 0/300] [ 0/ 115] time: 18.2961s, d_loss: 0.57489455, g_loss: 1.45441294, rnn_loss: 0.09782819

** Epoch 0 took 18.296147s

Epoch: [ 0/300] [ 1/ 115] time: 0.7530s, d_loss: 0.39089203, g_loss: 1.39505672, rnn_loss: 0.06653035

** Epoch 0 took 19.4772326s

Epoch: [ 0/300] [ 2/ 115] time: 0.7492s, d_loss: 0.53552413, g_loss: 1.57248664, rnn_loss: 0.09114759

** Epoch 0 took 20.427936s

Epoch: [ 0/300] [ 3/ 115] time: 0.7810s, d_loss: 0.42855114, g_loss: 2.27682161, rnn_loss: 0.08244123

** Epoch 0 took 21.419360s

Epoch: [ 0/300] [ 4/ 115] time: 0.7839s, d_loss: 0.56539333, g_loss: 2.36425972, rnn_loss: 0.09971081

** Epoch 0 took 22.470567s

Epoch: [ 0/300] [ 5/ 115] time: 0.7790s, d_loss: 0.19272706, g_loss: 2.77141714, rnn_loss: 0.09440177

** Epoch 0 took 23.455047s

Epoch: [ 0/300] [ 6/ 115] time: 0.7790s, d_loss: 0.33873001, g_loss: 1.89321911, rnn_loss: 0.07889076

** Epoch 0 took 24.484298s

Epoch: [ 0/300] [ 7/ 115] time: 0.8039s, d_loss: 0.40707541, g_loss: 1.50492764, rnn_loss: 0.07340451

** Epoch 0 took 25.565443s

Epoch: [ 0/300] [ 8/ 115] time: 0.7630s, d_loss: 0.52866912, g_loss: 1.34444296, rnn_loss: 0.06376271

** Epoch 0 took 26.534916s
```

At the end of training of Model 2

```
** Epoch 299 took 103.8077738

Epoch: [299/300] [ 106/ 115] time: 0.7388s, d_loss: 0.12216836, g_loss: 3.40631390, rnn_loss: 0.000000000

** Epoch: [299/300] [ 107/ 115] time: 0.7904s, d_loss: 0.16703233, g_loss: 3.65425396, rnn_loss: 0.000000000

** Epoch 299 took 104.807814s

Epoch: [299/300] [ 107/ 115] time: 0.7904s, d_loss: 0.16703233, g_loss: 3.65425396, rnn_loss: 0.000000000

** Epoch 299 took 105.802243s

Epoch: [299/300] [ 108/ 115] time: 0.6722s, d_loss: 0.03405572, g_loss: 4.18859005, rnn_loss: 0.00000000

** Epoch 299 took 106.668925s

Epoch: [299/300] [ 109/ 115] time: 0.6453s, d_loss: 0.12635192, g_loss: 4.51983261, rnn_loss: 0.00000000

** Epoch 299 took 107.607416s

Epoch: [299/300] [ 110/ 115] time: 0.8039s, d_loss: 0.19736400, g_loss: 2.97430253, rnn_loss: 0.00000000

** Epoch 299 took 108.617724s

Epoch: [299/300] [ 111/ 115] time: 0.6921s, d_loss: 0.05415584, g_loss: 4.86762810, rnn_loss: 0.00000000

** Epoch 299 took 109.508780s

Epoch: [299/300] [ 112/ 115] time: 0.6523s, d_loss: 0.02938031, g_loss: 3.80738282, rnn_loss: 0.00000000

** Epoch 299 took 110.446283s

Epoch: [299/300] [ 113/ 115] time: 0.9375s, d_loss: 0.01093413, g_loss: 4.82033443, rnn_loss: 0.00000000

** Epoch 299 took 111.577258s

Epoch: [299/300] [ 114/ 115] time: 0.7700s, d_loss: 0.07743304, g_loss: 3.48540187, rnn_loss: 0.00000000

** Epoch 299 took 111.577258s

Epoch: [299/300] [ 114/ 115] time: 0.7700s, d_loss: 0.07743304, g_loss: 3.48540187, rnn_loss: 0.00000000

** Epoch 299 took 111.5752586
```

Outputs Generated







